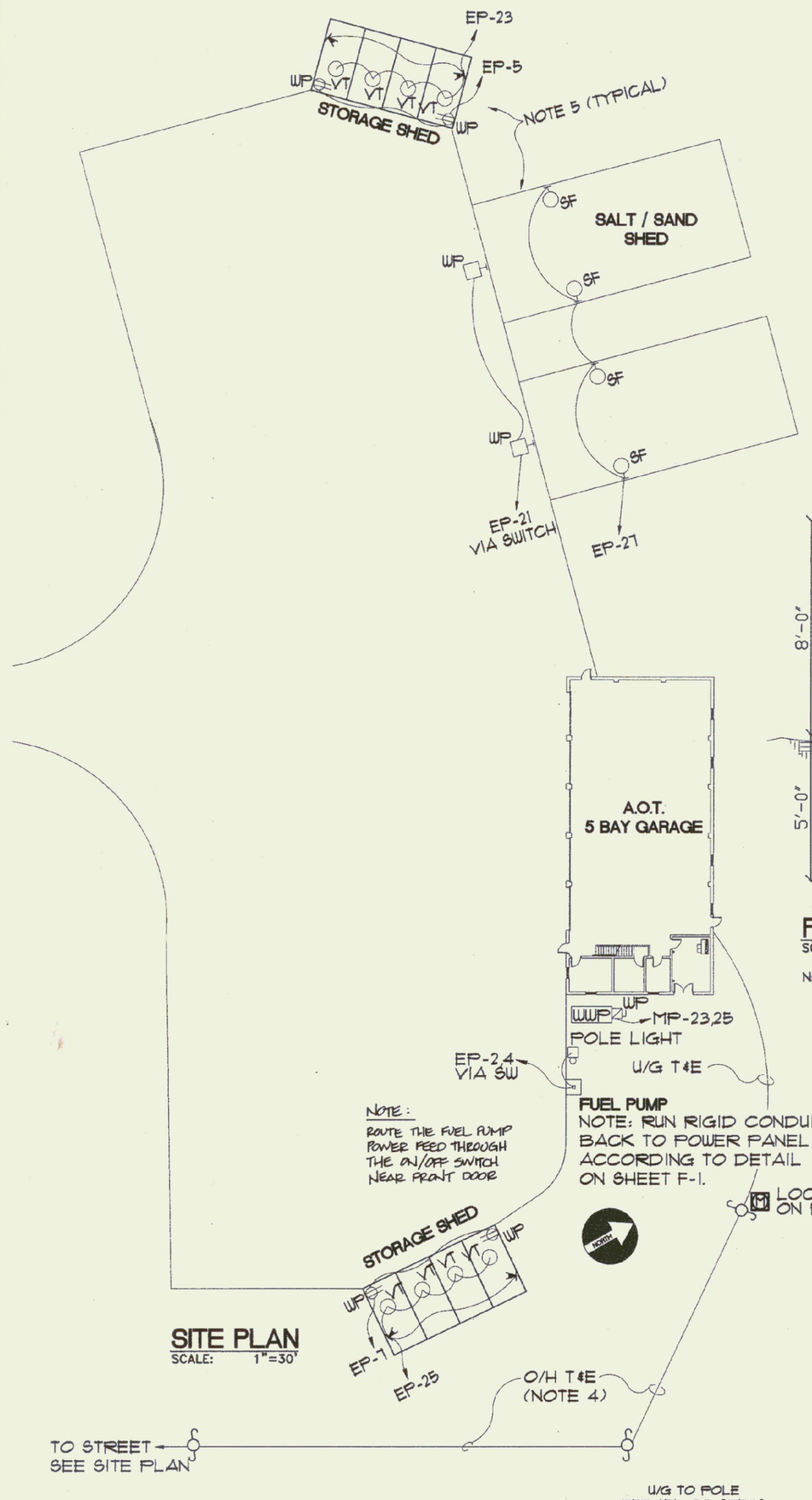
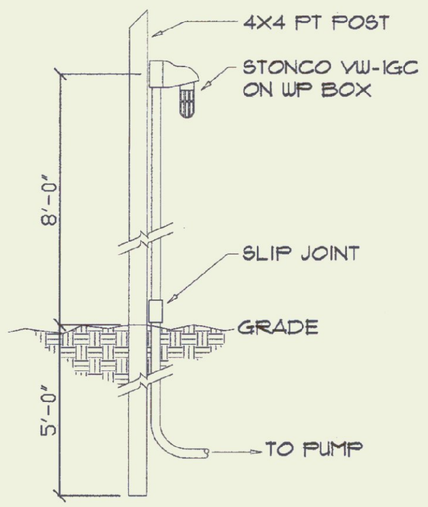


SITE PLAN
SCALE: 1"=30'



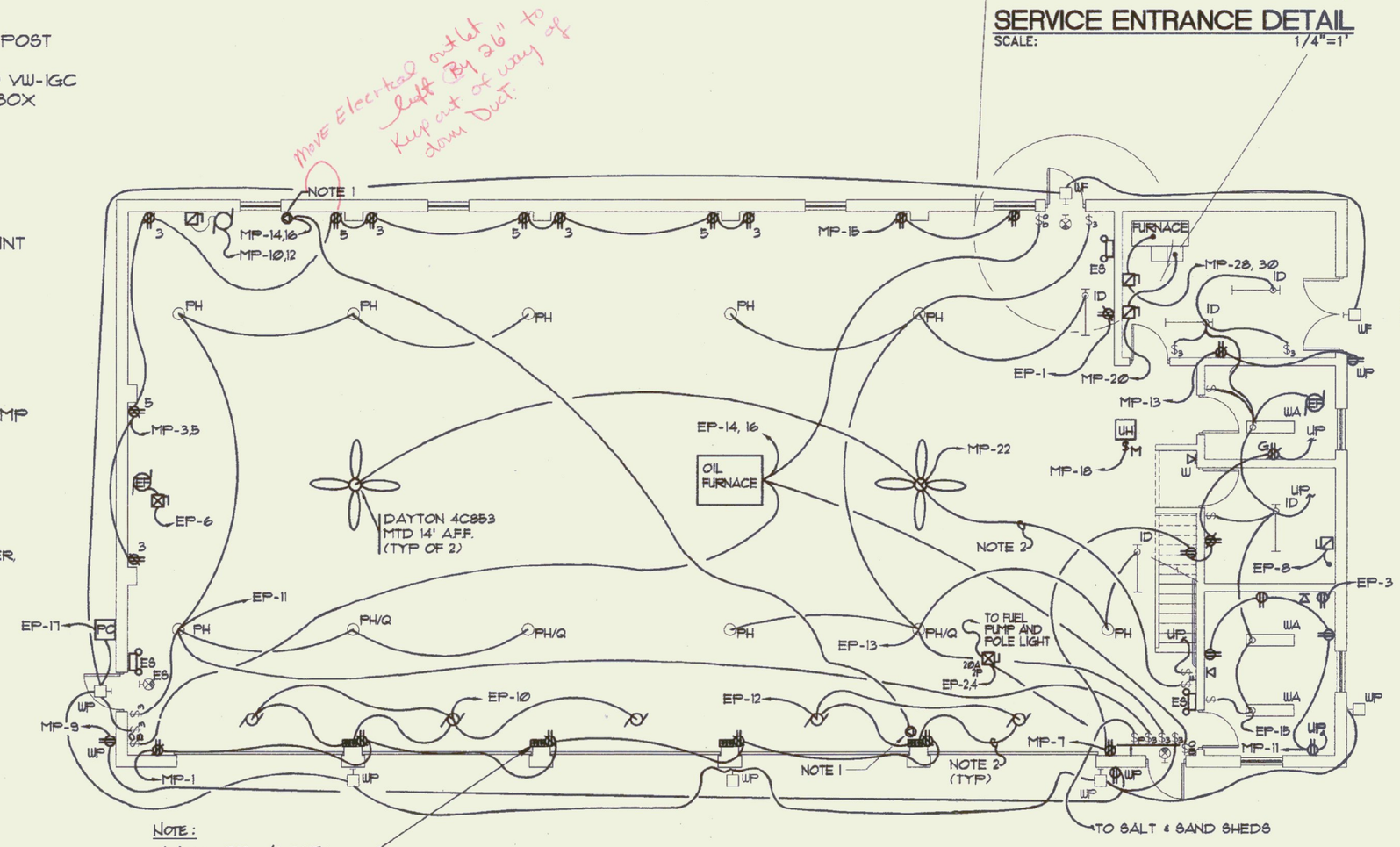
POLE LIGHT
SCALE: N.T.S.

NOTE: EXACT LOCATION BY OWNER. FEED FROM ONE LEG OF PUMP POWER

ELECTRICAL ONE-LINE DIAGRAM
SCALE: N.T.S.

NOTES:

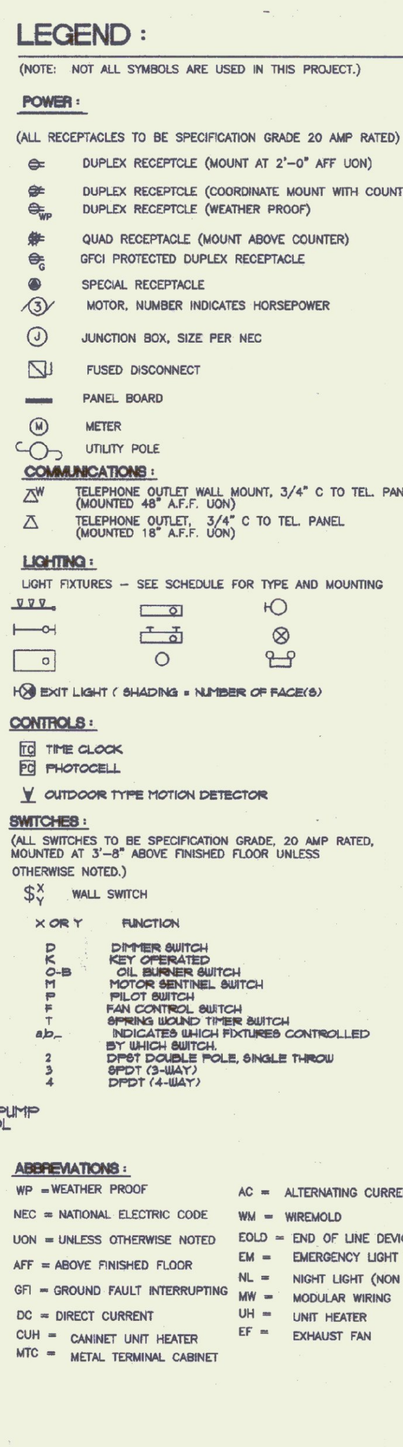
1. PROVIDE RECEPTACLE COMPATIBLE WITH OWNER'S PLUG
2. CONTROL WIRING PER MFR'S INSTRUCTIONS
3. LOCATE ABOVE GRADE CONDUIT TO AVOID ACCIDENTAL DAMAGE COORDINATE WITH OWNER FOR BEST LOCATIONS.
4. O/H UTILITY LINES & POLES BY UTILITY COMPANY.
5. NO CONDUIT BELOW 8' IN SALT SHEDS. ALL SHED & EXTERIOR EXPOSED CONDUIT TO BE RIGID STEEL.



NOTE:
CONTROL FOR O/H DOORS PROVIDE BY DOOR OPENER SUPPLIER, WIRED BY E.C. (TYPICAL)

FIRST FLOOR PLAN
SCALE: 1/8"=1'

GARAGE STORAGE MEZZANINE
SCALE: 1/8"=1'



SERVICE ENTRANCE DETAIL
SCALE: 1/4"=1"

LEGEND :

(NOTE: NOT ALL SYMBOLS ARE USED IN THIS PROJECT.)

POWER :

(ALL RECEPTACLES TO BE SPECIFICATION GRADE 20 AMP RATED)

- DUPLEX RECEPTACLE (MOUNT AT 2'-0" AFF UON)
- DUPLEX RECEPTACLE (COORDINATE MOUNT WITH COUNTER)
- DUPLEX RECEPTACLE (WEATHER PROOF)
- QUAD RECEPTACLE (MOUNT ABOVE COUNTER)
- GFCI PROTECTED DUPLEX RECEPTACLE
- SPECIAL RECEPTACLE
- MOTOR, NUMBER INDICATES HORSEPOWER
- JUNCTION BOX, SIZE PER NEC
- FUSED DISCONNECT
- PANEL BOARD
- METER
- UTILITY POLE

COMMUNICATIONS :

- TELEPHONE OUTLET WALL MOUNT, 3/4" C TO TEL. PANEL (MOUNTED 48" A.F.F. UON)
- TELEPHONE OUTLET, 3/4" C TO TEL. PANEL (MOUNTED 18" A.F.F. UON)

LIGHTING :

LIGHT FIXTURES – SEE SCHEDULE FOR TYPE AND MOUNTING

- EXIT LIGHT (SHADING = NUMBER OF FACES)

CONTROLS :

- TIME CLOCK
- PHOTOCELL
- OUTDOOR TYPE MOTION DETECTOR

SWITCHES :

(ALL SWITCHES TO BE SPECIFICATION GRADE, 20 AMP RATED, MOUNTED AT 3'-8" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.)

- WALL SWITCH

X OR Y	FUNCTION
D	DIMMER SWITCH
K	KEY OPERATED
O-B	OIL BURNER SWITCH
S	MOTOR SENTINEL SWITCH
P	PILOT SWITCH
F	FAN CONTROL SWITCH
T	SPRING WOUND TIMER SWITCH
a,b,..	INDICATES WHICH FIXTURES CONTROLLED BY WHICH SWITCH.
2	DPST DOUBLE POLE, SINGLE THROW
3	SPDT (3-WAY)
4	DPDT (4-WAY)

ABBREVIATIONS :

WP =	WEATHER PROOF	AC =	ALTERNATING CURRENT
NEC =	NATIONAL ELECTRIC CODE	WM =	WIREMOLD
UON =	UNLESS OTHERWISE NOTED	EOLD =	END OF LINE DEVICE
AFF =	ABOVE FINISHED FLOOR	EM =	EMERGENCY LIGHT FIXTURE
GFI =	GROUND FAULT INTERRUPTING	NL =	NIGHT LIGHT (NON SWITCHED)
DC =	DIRECT CURRENT	MW =	MODULAR WIRING
CUH =	CANINET UNIT HEATER	UH =	UNIT HEATER
MTC =	METAL TERMINAL CABINET	EF =	EXHAUST FAN

PANEL: EP LOCATION: WEST WALL - GARAGE BAY FED FROM: MTS
AMPS: 60A MCB 120/240 VOLTS 1 PHASE 3 WIRE
AMPS FAULT CURRENT WITHSTAND: 10K

NOTES:

NO	AMPS	WIRE	DESCRIPTION	NO	AMPS	WIRE	DESCRIPTION
1	20G	2 #12	RECEPTACLES GFCI	2	20	3 #10	FUEL PUMP & LIGHTS
3	20	2 #12	RECEPTACLES OFFICE	4	2P		
5	20	2 #10	RECEPTACLES STORAGE SHED	6	20	2 #12	SPARE
7	20	2 #10	RECEPTACLES STORAGE SHED	8	20	2 #12	OIL PUMP
9	20	2 #12	SPARE	10	20	2 #12	DOORS
11	20	2 #12	LIGHTS GARAGE	12	20	2 #12	DOORS
13	20	2 #12	LIGHTS GARAGE	14	20	2 #12	OIL FURNACE
15	20	2 #12	LIGHTS SMALL ROOM / MEZZ.	16	2P		
17	20	2 #12	LIGHTS OUTSIDE	18	20		SPARE
19	20	2 #12	SPARE	20	20		SPARE
21	20	2 #10	LIGHTS SALT / SAND	22	20		SPARE
23	20	2 #10	LIGHTS STORAGE SHED	24	20		SPARE
25	20	2 #12	LIGHTS STORAGE SHED	26	20		SPARE
27	20	2 #12	LIGHTS SALT SHEDS (INSIDE)	28	20		SPARE
29	20		SPARE	30	20		SPARE

PANEL: MP LOCATION: WEST WALL - GARAGE BAY FED FROM:
AMPS: 200MCB 120/240 VOLTS 1 PHASE 3 WIRE
AMPS FAULT CURRENT WITHSTAND: 10K

NOTES: SERVICE RATED, G INDICATES GFCI BREAKER

NO	AMPS	WIRE	DESCRIPTION	NO	AMPS	WIRE	DESCRIPTION
1	20G	2 #12	RECEPTACLES GF	2	60	3 #6	PANEL EP VIA TRANSFER SWITCH
3	20G	2 #12	RECEPTACLES GF	4	2P		
5	20G	2 #12	RECEPTACLES GF	6	20 / 2P	2 #12	EXHAUST FAN
7	20G	2 #12	RECEPTACLES GF	8	2P		
9	20G	2 #12	RECEPTACLES GF	10	60 / 2P	2 #6	COMPRESSOR
11	20	2 #12	RECEPTACLES	12	2P		
13	20	2 #12	RECEPTACLES	14	50 / 2P	2 #6	WELDER OUTLET
15	20	2 #12	RECEPTACLES	16	2P		
17	20		SPARE	18	20	2 #12	UNIT HEATER
19	20		SPARE	20	20	2 #12	HOT WATER PUMP
21	20		SPARE	22	20	2 #12	FANS
23	20 / 2P	2 #10	WASTE WATER PUMP	24	20 / 2P	2 #12	HW HEATER
25	2P			26	2P		
27	20 / 2P	3 #10	WATER PUMP CONTROL	28	20 / 2P	2 #12	WOOD FURNACE
29	2P			30	2P		

STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

VERMONT AGENCY OF TRANSPORTATION
FIRST FLOOR / MEZZANINE
POWER AND LIGHTING
5 BAY MAINTENANCE GARAGE
LUDLOW, VERMONT

DATE:	SCALE:	REVISIONS:	DWG. NO.:
JULY 29, 1998	AS NOTED		E1
DRAWN BY: MBG	APPROVED BY:		30 OF 30

STATE OF VERMONT
WILLIAM C. BISSELL
NO. 4915
REGISTERED PROFESSIONAL ENGINEER